

SWALLOW.

AN
ALMANACK

for the yeare of our
LORD GOD.

1659.

Being the third after Bissextile
or Leap-yeare:

And from the Worlds creation
5657.

Calculated properly for the Meridian of
the *Universitie* and *Town* of
CAMBRIDGE:

Where the Pole is elevated 51. degrees and
17 minutes above the Horizon.

CAMBRIDGE:

Printed by *John Field*, Printer to the
University. 1659.

The Golden Number this yeare is
The Cycle of the Sun

7
16

§ This yeare is also from

| | |
|--|------|
| Creation of the World | 3657 |
| Floud of Noah | 4001 |
| Coming of the Israelites from Egypt | 3148 |
| Building of London | 2766 |
| Building of York | 2647 |
| Building of Rome | 2411 |
| The Burning of the Temple by Nebuchadnezzar | 2246 |
| Building of Cambridge | 1959 |
| Baptisme of Christ | 1617 |
| Death of Christ | 1613 |
| Destruction of Jerusalem by Titus | 1589 |
| Cambridge made an Univerſitie | 1024 |
| Conquest of England by Duke William | 593 |
| If question be made of any of these numbers, I know how (but want room) to make them all good. | |

The dominion of the Moon in mans body, passing under the twelve signes of the Zodiac.



Of the Eclipses this year.

Of four Eclipses this year, there will be three visible to us in our Horizon, if the aire be cleare two of the Moon and one (a great one) of the Sun.

The first of the Moon will be on the 26 day of April, to the quantity of 8 digits and 50. minutes. It beginneth at 35 minutes past six at night: is at its greatest darkness one minute past eight: and by 17 minutes past nine it will be fully ended. So that from the first to the last it continueth two houres and 52 minutes, and is eclipsed in the 16 degree and 12 minutes of Scorpio.

The other of the Moon will be on the 20 day of October, in the sixth degree and some minutes of Taurus. It beginneth with us at Cambridge, 41 minutes past 1 in the morning, is at the greatest darkness 8 minutes past three; and endeth 36 minutes past four. So that the whole time is 2 houres and 55 minutes; and will be eclipsed to the quantity of seven parts or digits, and about 13 minutes more.

That of the Sun is next; and is a great eclipse. It will be on the fourth day of November in the afternoon. The beginning is at 51 minutes past one of the clock: The middle will be at four minutes past three: and the end at 13 minutes past four: so that from first to last the whole time of this Solar eclipse is two houres and 22 min. It is Eclipsed at the time of greatest darkness, to the full quantity of 8 digits: and 48 minutes; and is in the 22 degree and 22 min. of that viperous and violent sign Scorpio.

There is beside this another Eclipse of the Sun on the 11 day of May: but because it cannot be seen of us in regard the Sun will be then under our Horizon, I forbear to make any further description thereof.

Swallow 1659.

A plain and easie table shewing the true interest
due upon any summe of money from five
shillings to an hundred pounds for a yeare
or under, after the rate of six
pounds in the hundred.

| | | 1 Mon. | | | 3 Mon. | | | 6 Mon. | | | 9 Mon. | | | A yeare. | | |
|-----------------|-----|--------|-----|----|--------|-----|----|--------|-----|----|--------|-----|----|----------|-----|----|
| | | lb. | p. | q. | lb. | p. | q. | lb. | p. | q. | lb. | p. | q. | lb. | p. | q. |
| Shill. | 5 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 1 | 3 | 0 | 2 | 2 | 0 | 3 | 2 |
| | 10 | 0 | 0 | 2 | 0 | 1 | 3 | 0 | 3 | 2 | 0 | 5 | 2 | 0 | 7 | 0 |
| | 15 | 0 | 0 | 3 | 0 | 2 | 2 | 0 | 5 | 1 | 0 | 8 | 0 | 0 | 10 | 1 |
| Pounds | 1 | 0 | 1 | 0 | 0 | 3 | 2 | 0 | 7 | 0 | 0 | 10 | 2 | 1 | 2 | 1 |
| | 2 | 0 | 3 | 1 | 0 | 7 | 0 | 1 | 2 | 1 | 1 | 9 | 1 | 3 | 4 | 2 |
| | 3 | 0 | 3 | 2 | 0 | 10 | 2 | 1 | 9 | 1 | 2 | 7 | 3 | 3 | 6 | 3 |
| | 4 | 0 | 4 | 3 | 1 | 2 | 1 | 2 | 4 | 2 | 3 | 6 | 3 | 4 | 9 | 0 |
| | 5 | 0 | 6 | 0 | 1 | 6 | 0 | 3 | 0 | 0 | 4 | 6 | 0 | 6 | 0 | 0 |
| | 6 | 0 | 7 | 0 | 1 | 9 | 2 | 3 | 7 | 0 | 5 | 4 | 2 | 7 | 2 | 1 |
| | 7 | 0 | 8 | 1 | 2 | 1 | 0 | 4 | 2 | 1 | 6 | 3 | 1 | 8 | 4 | 2 |
| | 8 | 0 | 9 | 2 | 2 | 4 | 2 | 4 | 9 | 1 | 7 | 1 | 3 | 9 | 6 | 3 |
| | 9 | 0 | 10 | 3 | 2 | 8 | 1 | 5 | 4 | 2 | 8 | 0 | 3 | 10 | 9 | 0 |
| Tens of Pounds. | | po. | lb. | p. | po. | lb. | p. | po. | lb. | p. | po. | lb. | p. | po. | lb. | p. |
| | 10 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 6 | 0 | 0 | 9 | 0 | 0 | 12 | 0 |
| | 20 | 0 | 2 | 0 | 0 | 6 | 0 | 0 | 12 | 0 | 0 | 18 | 0 | 1 | 4 | 0 |
| | 30 | 0 | 3 | 0 | 0 | 9 | 0 | 0 | 18 | 0 | 1 | 7 | 0 | 1 | 16 | 0 |
| | 40 | 0 | 4 | 0 | 0 | 12 | 0 | 1 | 4 | 0 | 1 | 16 | 0 | 2 | 8 | 0 |
| | 50 | 0 | 5 | 0 | 0 | 15 | 0 | 1 | 10 | 0 | 2 | 5 | 0 | 3 | 0 | 0 |
| | 60 | 0 | 6 | 0 | 0 | 10 | 0 | 1 | 16 | 0 | 2 | 14 | 0 | 3 | 12 | 0 |
| | 70 | 0 | 7 | 0 | 1 | 1 | 0 | 2 | 2 | 0 | 3 | 3 | 0 | 4 | 4 | 0 |
| | 80 | 0 | 8 | 0 | 1 | 4 | 0 | 2 | 8 | 0 | 3 | 12 | 0 | 4 | 16 | 0 |
| | 90 | 0 | 9 | 0 | 1 | 7 | 0 | 2 | 14 | 0 | 4 | 1 | 0 | 5 | 8 | 0 |
| | 100 | 0 | 10 | 0 | 1 | 10 | 0 | 3 | 0 | 0 | 4 | 10 | 0 | 6 | 0 | 0 |

January

January hath xxxi dayes.

Last quarter the sixth day, 29 minutes past 4 morning.
 New moon the 12 day, 15 min. past nine at night.
 First quarter the 20 day, 53 min. past five in the morning.
 Full moon the 28 day, 51 min. past 8 in the morning.

| | | | | | | | | |
|----|---|-------------------|---|----|--------|----|-----------------------|------------|
| 1 | a | New years day | 8 | 3 | Leo | 24 | * h C | Scarce |
| 2 | b | 2 sund. aft. Chr. | 8 | 2 | Virg. | 7 | faire. | |
| 3 | c | Enoch | 8 | 1 | | 20 | Δ h ♀ | Very |
| 4 | d | Telesphorus | 8 | 0 | Libra | 3 | cold wind these | |
| 5 | e | Simon | 7 | 59 | | 16 | ☾ ♀ | dayes. |
| 6 | f | Twelfth day | 7 | 58 | Scorp. | 0 | Frost and snow | |
| 7 | g | Juliana | 7 | 57 | | 14 | ■ ♀ C | Thick |
| 8 | a | Ephardus | 7 | 55 | | 28 | ☾ Perig. | aire with |
| 9 | b | Sun in Aquar. | 7 | 54 | Sag. | 13 | hard frost, wind | |
| 10 | c | Paul Crem. | 7 | 53 | | 27 | and snow. ■ O h | |
| 11 | d | Pyginius | 7 | 52 | Capr. | 12 | very cold. | |
| 12 | e | Satyrus | 7 | 51 | | 27 | Cloudy snow-like. | |
| 13 | f | Hilary Bish. | 7 | 49 | Aqua. | 12 | ♂ ♀ C | More milde |
| 14 | g | Felix | 7 | 47 | | 26 | ♂ ♀ C | Wind and |
| 15 | a | Maurus | 7 | 45 | Pisc. | 10 | wet, or snow. | |
| 16 | b | 1 after Epiph. | 7 | 43 | | 23 | Fair ■ ♂ C | 12. p. |
| 17 | c | Intenius | 7 | 42 | Aries | 6 | and freezing. | |
| 18 | d | Piscia | 7 | 40 | | 19 | Δ h ♀ | Some |
| 19 | e | Pontianus | 7 | 38 | Taur. | 1 | snow threatned. | |
| 20 | f | Octab. Hilar. | 7 | 36 | | 13 | ■ O C | |
| 21 | g | Agnes | 7 | 34 | | 25 | ■ ♀ C | Very cold |
| 22 | a | Vincent | 7 | 32 | Gem. | 7 | ♂ Apog. | |
| 23 | b | 3 after Epiph. | 7 | 30 | | 18 | Clouds scattering sno | |
| 24 | c | Term begins | 7 | 28 | Canc. | 0 | windy and wet. | |
| 25 | d | Pauls convers. | 7 | 26 | | 12 | Vc. ♀ ♂ | |
| 26 | e | Molticurgus | 7 | 24 | | 25 | Cold rain or | |
| 27 | f | Quind. Hilar. | 7 | 23 | Leo | 7 | ♂ ♀ C | snow. |
| 28 | g | Mallertus | 7 | 21 | | 20 | Wind & wet. It | |
| 29 | a | Samuel | 7 | 19 | Virg. | 3 | Δ ♂ C | holds |
| 30 | b | Septuagesima | 7 | 17 | | 16 | ♂ O ♀ | Very |
| 31 | c | Cyprianus | 7 | 15 | Libra | 0 | windy. * ♀ C | |

February hath xxviii dayes.

Last quarter the 4 day, 24 min. past 1 after noon.
 New moon the 11 day, 14 min. past 9 before noon.
 First quarter the 19 day, at 3 in the morning.
 Full moon the 26 day, 6 min. past 11 at night.

| | | | | | | |
|----|----|------------------|---|----|-----------|---------------------|
| 1 | D | Bridget | 7 | 14 | Libra 14 | ☉ ☽ ♀ Cold |
| 2 | e | Purif. of Mary | 7 | 12 | | 28 rain or snow. |
| 3 | f | Craft. Purif. | 7 | 10 | Scorp. 12 | ☿ ♃ ☾ |
| 4 | g | Elbert | 7 | 8 | | 26 North rain and |
| 5 | a | Agatha bvirg. | 7 | 6 | Sag. 10 | cold wind with |
| 6 | ab | Sexagesima | 7 | 4 | | 24 ☿ ☉ ☾ clouds |
| 7 | c | Angulus | 7 | 2 | Capr. 7 | ☿ ☿ ☾ |
| 8 | D | Sun in Pisces. | 7 | 0 | | 23 ☿ ☿ ☉ Like to be |
| 9 | e | Octab. Purif. | 6 | 58 | Aqua. 6 | a cold snowie or |
| 10 | f | Scholastica | 6 | 56 | | 20 moist season. |
| 11 | g | Euphrosina | 6 | 54 | Pisces 4 | ☿ ☿ ☾ |
| 12 | a | Term ends. | 6 | 52 | | 18 Fair and good |
| 13 | ab | Shrove Tuesday | 6 | 50 | Aries 1 | weather. |
| 14 | c | Valentine | 6 | 48 | | 14 ☿ ♀ ☾ |
| 15 | D | Faustine | 6 | 46 | | 27 Cold and cloudy. |
| 16 | e | Ashwednesday. | 6 | 44 | Taur. 9 | Some wind. |
| 17 | f | Polyxentus | 6 | 42 | | 21 ☿ ☿ ☾ |
| 18 | g | Concordia | 6 | 40 | Gem. 3 | Temperate. |
| 19 | a | Simeon | 6 | 38 | | 15 ☿ ♀ ☾ |
| 20 | ab | Quadrages. | 6 | 36 | | 27 ☿ ♀ ♀ Showers |
| 21 | c | 79 Martyrs | 6 | 34 | Canc. 9 | of rain and wind. |
| 22 | D | Cath. Pet. | 6 | 32 | | 21 ☿ 27. 13 ♄. |
| 23 | e | Policarpus | 6 | 30 | Leo 3 | Temperate. |
| 24 | f | Matthias Ap. | 6 | 28 | | 15 Wind and rain. |
| 25 | g | Victorine | 6 | 26 | | 28 ☿ ☿ ☾ Cold a- |
| 26 | a | Nestor | 6 | 24 | Virg. 12 | bated, but mixed |
| 27 | ab | 1 fund. in lent. | 6 | 22 | | 25 weather. |
| 28 | c | Macarius | 6 | 20 | Libra 9 | ☿ ♀ ☾ |

March hath xxxi dayes.

Last quarter the 5 day, 56 min. past 8 at night.

New moon the 12 day, 20 min. past 10 at night.

First quarter the 20 day, 14 min. past 11 at night.

Full moon the 28 day, 35 min. past 10 before noon.

| | | | | | | |
|----|---|-----------------|---|----|----------|--------------------|
| 1 | D | David bish. | 6 | 18 | Libr. 23 | The weather |
| 2 | E | Thadde | 6 | 16 | Scorp. 7 | ♂ ♀ ♂ hot and |
| 3 | F | Martin | 6 | 14 | | 22 drie, but some |
| 4 | G | Adrian | 6 | 12 | Sag. 6 | wind. * ♂ ☾ |
| 5 | A | Eusebius | 6 | 10 | | 20 * ♀ ☾ |
| 6 | B | 3 fund. in lent | 6 | 8 | Capr. 4 | Not so warm. |
| 7 | C | Perpetua | 6 | 6 | | 18 ♀ 3 12 ♀ |
| 8 | D | Cyprian | 6 | 4 | Aquar. 2 | Rain or clouds. |
| 9 | E | 40 Martyrs | 6 | 2 | | 15 ♀ ♀ ☾ |
| 10 | F | Sun in Aries | 6 | 0 | | 29 Δ h ☾ Like |
| 11 | G | Canthbert | 5 | 58 | Pisc. 13 | to be windy |
| 12 | A | Gregory | 5 | 56 | | 26 weather. |
| 13 | B | Mildent fund. | 5 | 54 | Aries 9 | Δ ♀ ☉ Warm |
| 14 | C | Leo | 5 | 52 | | 22 and good, but |
| 15 | D | Longinus | 5 | 50 | Taur. 5 | windy. |
| 16 | E | Cyrilcus | 5 | 48 | | 17 ☐ ♂ ☾ |
| 17 | F | Bertrude | 5 | 46 | | 29 Very good |
| 18 | G | Gabriel | 5 | 44 | Gem. 11 | weather. |
| 19 | A | Ios. huf. Mar | 5 | 42 | | 23 Δ h ☾ |
| 20 | B | 5 fund. in lent | 5 | 40 | Canc. 4 | ☐ ☉ ☾ Cloudy. |
| 21 | C | Benedict | 5 | 38 | | 16 From hence more |
| 22 | D | Danilinus | 5 | 36 | | 2 wind and some |
| 23 | E | Theoborus | 5 | 34 | Leo 11 | stormes on se- |
| 24 | F | Danilinus | 5 | 32 | | 23 verall dayes. |
| 25 | G | Annun. Mary | 5 | 30 | Virg. 6 | Td. ☉ ♀. Good |
| 26 | A | Castalus | 5 | 28 | | 20 weather for the |
| 27 | B | Palmtunday | 5 | 26 | Libra 4 | * ♀ ☾ Spring. |
| 28 | C | Gideon | 5 | 24 | | 18 Δ ♂ ☾ |
| 29 | D | Eustachius | 5 | 22 | Scorp. 2 | Rain from the |
| 30 | E | Guido | 5 | 20 | | 17 South. |
| 31 | F | Baldina | 5 | 18 | Sag. 2 | Δ ♀ ☾ Fair. |

April hath xxxi dayes.

Last quarter the 4 day, 38 min. past 3 in the morning.
 New moon the eleventh day, 30 min. past noon.
 First quarter the 19 day, 50 min. past four after noon.
 Full moon the 26 day, 47 min. past 7 at night. Eclipsed.

| | | | | | | | |
|----|---|-------------------|---|----|--------|----|-----------------------|
| 1 | G | Theodoro | 5 | 16 | Sagit. | 16 | Temperate. |
| 2 | A | Mary Egypt | 5 | 14 | Capr. | 0 | Some wind and |
| 3 | B | Easter day | 5 | 12 | | 15 | cooler. |
| 4 | C | Ambrose bish. | 5 | 10 | | 29 | ♂ ♀ ☾ Good |
| 5 | D | Vincentius | 5 | 8 | Aqu. | 21 | weather. |
| 6 | E | Sixtus | 5 | 6 | | 26 | After this day expect |
| 7 | F | Celestine | 5 | 4 | Pisc. | 9 | hail, snow, or other |
| 8 | G | Dionysius | 5 | 2 | | 22 | cold windy stormes |
| 9 | A | Sibitus | 5 | 0 | Aries | 5 | on many dayes, even |
| 10 | B | Easter Sunday | 4 | 58 | | 18 | to the 12 and 14. |
| 11 | C | Leo. O. St. Pasc. | 4 | 56 | Taur. | 1 | ♂ ♀ ☾ |
| 12 | D | Julius | 4 | 54 | | 13 | * ♀ ☾ |
| 13 | E | Justine | 4 | 52 | | 25 | Warmer, but wind |
| 14 | F | Tiburtius | 4 | 50 | Gem. | 7 | and thunder-like |
| 15 | G | Olympia | 4 | 48 | | 19 | about this time. |
| 16 | A | Irenens | 4 | 46 | Canc. | 1 | * ☉ ☾ Cooler with |
| 17 | B | 2. after Easter. | 4 | 45 | | 12 | showers. |
| 18 | C | Quind. Pasch. | 4 | 43 | | 24 | Cool at night and |
| 19 | D | Timotheus | 4 | 42 | Leo | 6 | cloudy. |
| 20 | E | John begins | 4 | 40 | | 19 | ☉ ♀ ☾ windy. |
| 21 | F | Simeon | 4 | 38 | Virg. | 1 | Something warm. |
| 22 | G | Emmanuel | 4 | 37 | | 14 | Thunder-like. |
| 23 | A | George mart. | 4 | 35 | | 28 | ♂ ♀ ☾ Fit for |
| 24 | B | 3. after Easter. | 4 | 34 | Libr. | 11 | the season. |
| 25 | C | Mark Evang. | 4 | 32 | | 26 | Cloudy & coole. |
| 26 | D | Tres Pas. 25 d. | 4 | 30 | Scorp. | 11 | The Moon Eclipsed. |
| 27 | E | Anastatus | 4 | 28 | | 26 | * ♀ ☾ The 27 & |
| 28 | F | Vitalis | 4 | 27 | Sag. | 10 | 28 some wind. |
| 29 | G | Osbylla | 4 | 25 | | 25 | * ♀ ☾ Rain at |
| 30 | A | Erkenwald. | 4 | 24 | Cap. | 10 | night. * ♂ ☾ |

May hath xxxi dayes.

Last quarter the third day, 46 min. past ten before noon.
 New moon the 11 day, 46 min. past three in the morning.
 First quarter the 19 day, 45 min. past six in the morning.
 Full moon the 26 day, 28 min. past three in the morning.

| | | | | | |
|----|--------------------------|---|----|----------|---------------------|
| 1 | Philip & Jam. | 4 | 12 | Capr. 25 | △ ♀ ♀ This |
| 2 | C Menf. Pasch. | 4 | 21 | Aquar. 9 | moneth is like to |
| 3 | D Invent. Cruc. | 4 | 19 | 25 | afford us many fine |
| 4 | E Florianus | 4 | 17 | Pisc. 6 | pleaiant dayes. |
| 5 | F Gothard | 4 | 16 | 19 | Vc. ♀ ☉ |
| 6 | G John Port. lat. | 4 | 14 | Arles 2 | △ ♀ ☾ |
| 7 | H Iubenal | 4 | 13 | 15 | ♂ ♀ ☾ |
| 8 | I Rogation fund | 4 | 11 | 27 | Cloudy and |
| 9 | C Quinq. Pasch. | 4 | 9 | Taur. 9 | Vc. ♀ ♂ coole. |
| 10 | D Pancratiu | 4 | 7 | 22 | * ♂ ☾ The wind |
| 11 | E Sun in Gem. | 4 | 6 | Gem. 4 | Bq. ♀ ☉ North |
| 12 | F Ascension day | 4 | 5 | 15 | * ♀ ☾ |
| 13 | G Craft. Ascen. | 4 | 4 | 27 | Some wind and |
| 14 | A Fortunatus | 4 | 3 | Canc. 9 | △ ♀ ♀ rain the |
| 15 | B 6 after Easter | 4 | 3 | 21 | 13 and 14. |
| 16 | C Term ends | 4 | c | Leo 3 | A fine day. |
| 17 | D Iodocus | 3 | 59 | 15 | * ♀ ☾ |
| 18 | E Porcentius | 3 | 58 | 27 | ♂ ♀ ♀ Hastie |
| 19 | F Dunstan | 3 | 57 | Virg. 10 | * ♀ ☉ showers. |
| 20 | G Bernhard | 3 | 56 | 23 | Some wind. |
| 21 | A Prudentius | 3 | 55 | Libr. 6 | Tempestuous. |
| 22 | B Whitunday | 3 | 54 | 20 | ♂ ♀ ☾ Coole. |
| 23 | C Desiderius | 3 | 53 | Scorp. 4 | Suddain rain. |
| 24 | D Esther | 3 | 52 | 19 | ☾ ☽ |
| 25 | E Elzbanus | 3 | 51 | Sag. 4 | △ ♀ ☾ Pleasant |
| 26 | F Eddardus | 3 | 50 | 19 | & good weather. |
| 27 | G Bede | 3 | 49 | Capr. 4 | Rain and thunder |
| 28 | A wilhelmus | 3 | 48 | 19 | the 27 or 28 |
| 29 | B Trinity funday | 3 | 48 | Aqu. 4 | Fair & good. |
| 30 | C wigand | 3 | 47 | 18 | △ ♀ ♂ Hot and |
| 31 | D Petronella | 3 | 47 | Pisces 3 | ☾ ♂ ♀ various. |

June hath xxx dayes.

Last quarter the 1 day, 20 min. past 7 at night.
 New moon the 9 day, 14 min. past 7 at night.
 First quarter the 17 day, 47 min. past 5 after noon.
 Full moon the 24 day, 24 min past 10 before noon.

| | | | | | | | | | | |
|----|---|------------------|---|----|---------|----|-----|---|---|--------------------|
| 1 | e | Nichodemus | 3 | 46 | Pisces | 16 | Δ | h | ♀ | Cool |
| 2 | f | Marcelline | 3 | 46 | | 29 | | | | and very |
| 3 | g | Term begins | 3 | 45 | Aries | 12 | ♄ | ☉ | ♀ | windy |
| 4 | a | Quirinus | 3 | 45 | | 21 | | | | with thunder or |
| 5 | b | 1 Sund. aft. Tr. | 3 | 45 | Taur. | 7 | Δ | ☉ | h | hail. |
| 6 | c | Octab. Trin. | 3 | 44 | | 19 | ♄ | ♀ | ☾ | |
| 7 | d | Paulus | 3 | 44 | Gem. | c | | | | Clearer wea- |
| 8 | e | Medard | 3 | 44 | | 12 | | | | ther. * ♂ ☾ |
| 9 | f | Felician | 3 | 43 | | 24 | | | | Some stormes. |
| 10 | g | Onophrius | 3 | 43 | Canc. | e | | | | |
| 11 | a | Sun in Cancer | 3 | 43 | | 18 | ♄ | ♂ | ☾ | |
| 12 | b | 2 after Trin. | 3 | 43 | Leo | 0 | * | ♂ | ♀ | |
| 13 | c | Quind. Trin. | 3 | 43 | | 12 | | | | Thunder-like, & on |
| 14 | d | Valerius | 3 | 44 | | 24 | | | | the 14 & 16 some |
| 15 | e | Vitus | 3 | 44 | Virg. | 7 | | | | rain. * ☉ ☾ |
| 16 | f | Rowland | 3 | 44 | | 19 | | | | Windy. ■ ♀ ☾ |
| 17 | g | Botolph. | 3 | 45 | Libr. | 2 | Ed. | h | ☉ | Hail |
| 18 | a | Homerus | 3 | 45 | | 11 | | | | or thunder. ♂ h ♂ |
| 19 | b | 2 after Trin. | 3 | 45 | | 29 | ■ | ♂ | ☾ | A |
| 20 | c | Tres Trin. | 3 | 46 | Scorp. | 13 | Δ | ☉ | ☾ | milder |
| 21 | d | Albane | 3 | 46 | | 28 | | | | temper of wea- |
| 22 | e | Term ends | 3 | 46 | Sagitt. | 12 | | | | ther. Δ ♂ ☾ |
| 23 | f | Etheldred | 3 | 47 | | 27 | Δ | ♂ | ☾ | |
| 24 | g | John Baptist | 3 | 47 | Capr. | 13 | ♂ | ☉ | ☾ | |
| 25 | a | Eligius | 3 | 48 | | 28 | ■ | ♂ | ☾ | |
| 26 | b | 4 after Trin. | 3 | 49 | Aquar | 12 | Δ | h | ♀ | Windy. |
| 27 | c | 7 Sleepers | 3 | 50 | | 27 | | | | Fair and good. |
| 28 | d | Leo | 3 | 51 | Pisces | 11 | | | | Clear weather. |
| 29 | e | Peter Apost. | 3 | 51 | | 25 | | | | It alters. |
| 30 | f | Com. of Paul | 3 | 52 | Aries | 8 | | | | Good again. |

July hath xxxi dayes.

Last quarter the 1 day, 40 min. past 6 in the morning.
 New moon the 9 day, 15 min. past 10 in the morning.
 First quarter the 17 day, 20 min. past 2 in the morning.
 Full moon the 23 day, 32 min. past 5 afternoon.
 Last quarter the 30 day, 53 min. past 8 at night.

| | | | | | | |
|----|---|---------------|---|----|----------|-----------------------|
| 1 | G | Cheobald | 3 | 53 | Aries 21 | Good weather for |
| 2 | A | Visit. Mary | 3 | 54 | Taur. 3 | the most part till |
| 3 | B | 5 after Trin. | 3 | 55 | | 16 the 6 and 7 dayes. |
| 4 | C | Miricus | 3 | 56 | 27 | 16 41 ♀ |
| 5 | D | Anselme | 3 | 57 | Gem. 9 | Thick aire. |
| 6 | E | Hector | 3 | 58 | 21 | Thunder & hail, |
| 7 | F | Becket | 3 | 59 | Canc. 3 | and not very hot |
| 8 | G | Chilian | 4 | 0 | 15 | till the 12 and 13 |
| 9 | A | Cyrill | 4 | 1 | 27 | dayes. |
| 10 | B | 6 after Trin. | 4 | 3 | Leo 9 | ♂ ♀ ☾ Fair. |
| 11 | C | Plus | 4 | 4 | 21 | ♂ ♀ ☾ |
| 12 | D | Henricus | 4 | 6 | Virgo 4 | Rain-like and |
| 13 | E | Sun in Leo | 4 | 7 | 16 | SS ♀ ☾ Windy. |
| 14 | F | Iustus | 4 | 8 | 29 | ♂ ♀ ☾ Scarce |
| 15 | G | Swithin | 4 | 10 | Libra 12 | fire. |
| 16 | A | Osmond | 4 | 11 | 25 | ♂ ♀ ☾ Wind & |
| 17 | B | 7 after Trin. | 4 | 13 | Scorp. 9 | showers. |
| 18 | C | Rolius | 4 | 15 | 23 | Better weather |
| 19 | D | Dog. dayes b. | 4 | 16 | Sagit. 7 | till the 23 day. |
| 20 | E | Margaret | 4 | 18 | 21 | Pleasant & good with |
| 21 | F | Arbogast | 4 | 19 | Capr. 6 | west wind and some |
| 22 | G | M. Magd. | 4 | 21 | 21 | rain. △ ♂ ☾ |
| 23 | A | Spollin. | 4 | 22 | Aquar. 6 | ♂ ☉ ♀ Very bigg |
| 24 | B | 8 after Trin. | 4 | 24 | 21 | winds. ♂ ♀ ☾ |
| 25 | C | James Apost. | 4 | 26 | Pisces 6 | ♂ 21 7 ♀ |
| 26 | D | Anna | 4 | 27 | 20 | Something cloudy. |
| 27 | E | Martha | 4 | 29 | Aries 4 | Thunder, with |
| 28 | F | Danthallon | 4 | 30 | 17 | great ♂ ♀ ☾ |
| 29 | G | Beatrice | 4 | 32 | Taur. 0 | winds: & perhaps |
| 30 | A | Abdon | 4 | 34 | 12 | ♂ ☾ some |
| 31 | B | 9 after Trin. | 4 | 36 | 24 | * ♀ ☾ hail too. |

August hath xxxi dayes.

New moon the 8 day, 34 min. past one in the morning.
 First quarter the 15 day, 30 min. past nine before noon.
 Full moon the 22 day, 3 minutes past two in the morning.
 Last quarter the 29 day, 10 minutes past two after noon.

| | | | | | | | |
|----|---|----------------|---|----|--------|----|-------------------|
| 1 | C | Alinc. Pet. | 4 | 37 | Gem. | 6 | Hot weather. |
| 2 | D | Moses | 4 | 35 | | 18 | Thunder-like. |
| 3 | E | Domitius | 4 | 41 | Canc. | 0 | * ☉ ☾ |
| 4 | F | Bristarchus | 4 | 43 | | 11 | Cool & moist. |
| 5 | G | Oswald | 4 | 44 | | 23 | Rain after noon. |
| 6 | A | Sixtus | 4 | 46 | Leo | 6 | Mars with 7 * |
| 7 | B | 10 after Trin. | 4 | 48 | | 18 | Fair wind and |
| 8 | C | Syracus | 4 | 50 | Virg. | 0 | hot weather. |
| 9 | D | Romanus | 4 | 52 | | 13 | Something cool |
| 10 | E | Lazence | 4 | 54 | | 25 | & cloudy. |
| 11 | F | Liburtius | 4 | 56 | Libra | 9 | Thunder and heat. |
| 12 | G | Clare virg. | 4 | 58 | | 22 | * ♃ ☾ |
| 13 | A | Sun in Virgo | 5 | 0 | Scorp. | 5 | ☿ ♀ ☾ |
| 14 | B | 11 after Trin. | 5 | 2 | | 19 | ☿ ♃ ☾ |
| 15 | C | Assumpt. Mary | 5 | 4 | Sagit. | 3 | ♂ ♂ ☾ Hot & |
| 16 | D | Roche | 5 | 6 | | 17 | windy. |
| 17 | E | Manance | 5 | 8 | Capr. | 1 | Temperate Δ ♃ ☾ |
| 18 | F | Helen | 5 | 10 | | 16 | SS. ♄ ♀ Rain and |
| 19 | G | Rebaldus | 5 | 12 | Aqua. | 0 | winds toward the |
| 20 | A | Bernhard | 5 | 14 | | 15 | end of this week. |
| 21 | B | 12 after Trin. | 5 | 16 | | 29 | ☿ ♂ ☾ |
| 22 | C | Symphron. | 5 | 18 | Pisc. | 14 | ♂ ☉ ☾ |
| 23 | D | Zacheus | 5 | 19 | | 28 | * ♂ ☾ |
| 24 | E | Bartholomew | 5 | 21 | Aries | 11 | Drie Δ ♂ ♀ |
| 25 | F | Acwis | 5 | 23 | | 25 | weather. |
| 26 | G | Trenens | 5 | 25 | Taur. | 8 | Δ ☉ ☾ |
| 27 | A | Don. days end. | 5 | 27 | | 20 | ☿ ♀ ☾ Rain-like. |
| 28 | B | 13 after Trin. | 5 | 29 | Gem. | 2 | Thunder-like. |
| 29 | C | Decol. J. B. | 5 | 31 | | 14 | Δ ♀ ☾ |
| 30 | D | Felix Presb. | 5 | 33 | | 26 | Cool and |
| 31 | E | Paulinus | 5 | 35 | Canc. | 8 | moist * ♄ ♀ |

September hath xxx dayes.

New moon the sixth day, 56 min. past one after noon.

First quarter the 13 day, 46 min. past three after noon.

Full moon the 20 day, 53 min. past noon.

Last quarter the 28 day, 34 min. past 9 before noon.

| | | | | | | | |
|----|---|----------------|---|----|--------|----|---------------------|
| 1 | f | Egidius | 5 | 37 | Canc. | 20 | Very good and |
| 2 | l | Veronica | 5 | 39 | Leo | 2 | pleasant weather |
| 3 | a | Herapia | 5 | 40 | | 15 | for many dayes |
| 4 | | 14 after Trin. | 5 | 41 | | 27 | together ☿ ♃ ☾ |
| 5 | c | Zacharias | 5 | 44 | Virg. | 10 | ☿ ☽ ☾ |
| 6 | d | Magnus | 5 | 46 | | 23 | ☿ in Elong. max. |
| 7 | e | Megina | 5 | 48 | Libra | 6 | ☿ ☽ ☾ |
| 8 | f | Nativ. of Mary | 5 | 50 | | 20 | Cool & cloudy |
| 9 | g | Gorgen | 5 | 52 | Scorp. | 3 | about the 8 and |
| 10 | a | Hilarius | 5 | 54 | | 17 | 9 dayes. ☾ ♄ |
| 11 | | 15 after Trin. | 5 | 56 | Sag. | 1 | Variable. |
| 12 | c | Guldon | 5 | 58 | | 15 | Stormes of rain |
| 13 | d | Sun in Libra | 6 | 0 | | 29 | and wind: & perhaps |
| 14 | e | Exalt. Cr. | 6 | 2 | Capr. | 13 | some thunder. |
| 15 | f | Nichomede | 6 | 4 | | 27 | More temperate and |
| 16 | g | Enphemia | 6 | 6 | Aqua. | 11 | Better |
| 17 | a | Lampert | 6 | 8 | | 25 | weather. ☿ ♃ ☾ |
| 18 | | 16 after Trin. | 6 | 11 | Pisc. | 9 | ☿ ☽ ☾ |
| 19 | c | Jannarius | 6 | 13 | | 23 | Rain-like. |
| 20 | d | Fausta | 6 | 15 | Aries | 7 | ☿ ☼ ☾ |
| 21 | e | Mathew Apo | 6 | 18 | | 21 | * ☽ ☾ |
| 22 | f | Matrice | 6 | 20 | Taur. | 4 | Cool and |
| 23 | g | Joel | 6 | 22 | | 16 | cloudy. |
| 24 | a | Daniel | 6 | 24 | | 29 | ☿ ♃ ☾ Temperate |
| 25 | | 17 after Trin. | 6 | 26 | Gem. | 11 | & milde. |
| 26 | c | Cyprian | 6 | 28 | | 23 | SS. ♄ ♀ Missing & |
| 27 | d | Cosm. Dam. | 6 | 30 | Canc. | 5 | cool. |
| 28 | e | Wenceslaus | 6 | 32 | | 17 | Flying clouds. |
| 29 | f | Mich. Arch. | 6 | 34 | | 29 | But toward the end |
| 30 | g | Hierome | 6 | 36 | Leo | 10 | much wind and rain. |

October hath xxxi dayes.

New moon the 6 day, 40 min. past two in the morning.
 First quarter the 12 day, 25 min. past 10 at night.
 Full moon the 20 day, 52 min. past 2 in the morn. Eclispe
 Last quarter the 28 day, 34 min. past 5 in the morning.

| | | | | | | | |
|----|---|----------------|---|----|---------|---------|----------------------|
| 1 | A | Remigius | 6 | 38 | Leo | 23 | Great winde and va- |
| 2 | B | 18 after Trin. | 6 | 40 | Virgo | 5 | rious weather, |
| 3 | C | Maximian | 6 | 42 | 18 | ♂ ☾ | |
| 4 | D | Francis | 6 | 44 | Libra | 1 | Wavering. |
| 5 | E | Diactius | 6 | 46 | 15 | | Very wet and win- |
| 6 | F | Faith vtrg. | 6 | 48 | 28 | ♂ ♀ ☽ | die the fifth |
| 7 | G | Marcellus | 6 | 50 | Scorp. | 13 | and fixch. * ♄ ☾ |
| 8 | A | Delagis | 6 | 52 | 27 | ♂ 15 26 | ☾ |
| 9 | B | 19 after Trin. | 6 | 54 | Sagitt. | 11 | Sudden rain |
| 10 | C | Gedeon | 6 | 56 | 25 | | or thunder. |
| 11 | D | Burchard | 6 | 58 | Capr. | 10 | The 11 & 12 much |
| 12 | E | Colman. | 7 | 0 | 23 | | like the 9. |
| 13 | F | Sun in Scorp. | 7 | 2 | Aqua. | 8 | The 13 snow or |
| 14 | G | Calixtus | 7 | 4 | 22 | | fleete. Δ ♀ ☾ |
| 15 | A | Hedwig. | 7 | 6 | Pisces | 6 | Cloudy cold |
| 16 | B | 20 after Trin. | 7 | 8 | 19 | ♂ ☉ ♀ | winter-like |
| 17 | C | Florentius | 7 | 10 | Aries | 3 | weather. |
| 18 | D | Luke Evang. | 7 | 12 | 16 | | Wind & clouds. |
| 19 | E | Ptolome | 7 | 14 | 29 | | Cold and moist. |
| 20 | F | Tres Mich. | 7 | 15 | Taur. | 12 | Moon Eclipsed. |
| 21 | G | Ursula | 7 | 17 | 25 | | Stormes of |
| 22 | A | Cordula | 7 | 19 | Gem. | 7 | hail. |
| 23 | B | 21 after Trin. | 7 | 20 | 19 | ♂ ♀ ☽ | Cold rain |
| 24 | C | Term begins. | 7 | 22 | Canc. | 1 | or snow. |
| 25 | D | Crispin | 7 | 24 | 13 | | Something warmer. |
| 26 | E | Imandus | 7 | 25 | 25 | ☾ ♀ ☾ | Sleete. |
| 27 | F | Mens. Mich. | 7 | 27 | Leo | 6 | Frost-like. |
| 28 | G | Simon & Jude | 7 | 29 | 18 | * ♂ ☾ | |
| 29 | A | Parcellus | 7 | 30 | Virg. | 1 | * ♀ ☾ Stormes of |
| 30 | B | 22 after Trin. | 7 | 32 | 13 | | wind, with hyle |
| 31 | C | Wolfgang | 7 | 33 | 26 | | or rain the 30 & 31. |

November hath xxx dayes.

New moon the 4 day, 30 min. past 2 aft. noon. Sun eclips
 First quarter the 11 day, 35 min. past six in the morning.
 Full moon the 18 day, about eight at night.
 Last quarter the 27 day, 16 min. before one morning.

| | | | | | | | |
|----|----|----------------|---|----|--------|----|---------------------|
| 1 | D | All Saints. | 7 | 35 | Libra | 8 | Vc. ♂ ♀ |
| 2 | e | All Souls | 7 | 31 | | 22 | The 3 and 4 very |
| 3 | f | Craft. Animar. | 7 | 39 | Scor. | 5 | wet & windy. |
| 4 | g | Moderstine | 7 | 40 | | 20 | * Sun eclipsed. |
| 5 | a | Powder treat. | 7 | 41 | ag. | 5 | White clouds and |
| 6 | AB | 23 after Trin. | 7 | 44 | | 20 | more fair. |
| 7 | c | Florentius | 7 | 45 | Capr. | 4 | Sun shine & tending |
| 8 | D | Claudius | 7 | 47 | | 18 | to frost. |
| 9 | e | Theodore | 7 | 49 | Aquar. | 3 | Cold & cloudy. |
| 10 | f | Grassus | 7 | 50 | | 18 | Δ ♂ ☾ |
| 11 | g | Martin bish. | 7 | 51 | Pisc. | 2 | Rain or snow. |
| 12 | a | Sun in Sagit. | 7 | 51 | | 15 | Craft. Mart. |
| 13 | AB | 24 after Trin. | 7 | 54 | | 29 | Milde weather. |
| 14 | c | Frederick | 7 | 55 | Aries | 12 | * ♂ ☾ |
| 15 | D | Leopold | 7 | 57 | | 25 | Very wet, but not |
| 16 | e | Othmar | 7 | 58 | Taur. | 7 | greatly cold. |
| 17 | f | Anianus | 8 | c | | 20 | Venus Occid. |
| 18 | g | Otab. Mart. | 8 | 1 | Gem. | 2 | Snow or cold |
| 19 | a | Elizabeth | 8 | 2 | | 14 | rain. |
| 20 | AB | 25 after Trin. | 8 | 3 | | 26 | Very wet with |
| 21 | c | Present M. | 8 | 4 | Canc. | 9 | wind and hail. |
| 22 | D | Cordula | 8 | 5 | | 20 | Frosty and very |
| 23 | e | Clement | 8 | 6 | Leo | 2 | much wind and |
| 24 | f | Chrysogon. | 8 | 7 | | 14 | stormes: but to- |
| 25 | g | Quind. Mart. | 8 | 8 | | 26 | ward the end of |
| 26 | a | Conrade | 8 | 9 | Virg. | 3 | the month a great |
| 27 | AB | Advent sunday | 8 | 10 | | 20 | deale milder. |
| 28 | c | Term ends | 8 | 11 | Libra | 3 | Δ ♂ ☾ |
| 29 | D | Saturnus | 8 | 12 | | 16 | * ♀ ☾ |
| 30 | e | Andrew Ap. | 8 | 13 | Scorp. | 0 | ☾ ♀ |

December hath xxxi dayes.

New moon the 4 day, 52 min. past one in the morning.
 First quarter the 10 day, 21 min. past five at night.
 Full moon the 18 day, 38 minutes past one after noon.
 Last quarter the 26 day, 19 minutes past five at night.

| | | | | | | | | |
|----|---|-----------------|---|----|--------|----|---------|---------------------|
| 1 | f | Longinus | 8 | 14 | Scorp. | 14 | ♂ h ☾ | Cloudy |
| 2 | g | Candidus | 8 | 14 | | 28 | | and cold. |
| 3 | a | Cassian. | 8 | 15 | Sag. | 13 | | Sun-shine. |
| 4 | 2 | sun. in Adv. | 8 | 15 | | 28 | | Rain-like and |
| 5 | c | Sabina | 8 | 16 | Capr. | 13 | | some wind. |
| 6 | d | Nicholas | 8 | 16 | | 28 | | Frosty and |
| 7 | e | Agathon | 8 | 16 | Aqua. | 13 | | clear weather. |
| 8 | f | Concep. of M. | 8 | 17 | | 28 | * ♀ ☾ | |
| 9 | g | Joachim | 8 | 17 | Pisc. | 12 | Δ h ☾ | |
| 10 | a | Miltiades | 8 | 17 | | 25 | | Cold wind. |
| 11 | 2 | Sun in Capric. | 8 | 17 | Aries | 9 | | Rain or snow. |
| 12 | c | Valerius | 8 | 17 | | 21 | Bq. ♂ ♀ | 13 day. |
| 13 | d | Eucte Virg. | 8 | 17 | Taur. | 4 | | Wind and |
| 14 | e | Picatus | 8 | 17 | | 17 | | stormes. |
| 15 | f | Abraham | 8 | 16 | | 29 | ♂ ♂ ☾ | 6. p. |
| 16 | g | O Sapientia. | 8 | 16 | Gem. | 11 | | Fair & fine |
| 17 | a | Lazarus | 8 | 16 | | 23 | Δ ♀ ♀ | frosty |
| 18 | 2 | 4 fund. in Adv. | 8 | 15 | Canc. | 5 | | weather. |
| 19 | c | Loth | 8 | 15 | | 17 | ♂ ♀ ☾ | |
| 20 | d | Sammon | 8 | 14 | | 29 | | Close aire |
| 21 | e | Thomas Apost. | 8 | 14 | Leo. | 11 | | tending to snow. |
| 22 | f | 30 Martyrs | 8 | 14 | | 23 | ♂ 13 49 | ret. |
| 23 | g | Dagobert | 8 | 13 | Virg. | 5 | * h ☾ | |
| 24 | a | Adam & Eva. | 8 | 12 | | 17 | | Freezing still. |
| 25 | 2 | Nat. of Christ | 8 | 11 | | 29 | Δ ○ ♀ | Some |
| 26 | c | S. Stephen | 8 | 10 | Libra | 12 | | wind and clear: |
| 27 | d | S. John Evang. | 8 | 9 | | 25 | | chiefly the 25, 28, |
| 28 | e | Janocenes | 8 | 8 | Scorp. | 9 | | and 29 dayes. |
| 29 | f | Jonathan | 8 | 7 | | 21 | Bq. ♀ ♀ | |
| 30 | g | David | 8 | 6 | Sag. | 6 | | Sun-shine. |
| 31 | a | Elvesther | 8 | 5 | | 21 | | Imperuous. |

S W A L L O W.

The latter part of this
ALMANACK
for the yeare of our
LORD GOD
1659.

Being the third after Bissextile, or
Leap-yeare, and from the Conquest
of *England* by Duke *William*
of *Normandy* 593.

Wherein we have the nature of the seven Planets,
and twelve Signes : (the eclipses being set
down before in the Almanack.)

With divers other things and notes well
worthy of observation, and not
unfit for such a work.

C A M B R I D G E:

Printed by *John Field*, Printer to the
Univerſitie. 1659.

Swallow 1659.

A most ready and plain Table to find
Easter day for ever, by the Golden
Number, and Sunday letter.

| GN. | A | B | C | D | E | F | G |
|-------|---------|---------|---------|---------|---------|---------|---------|
| i | Apr. 9 | apr. 10 | apr. 11 | apr. 12 | apr. 6 | apr. 17 | apr. 8 |
| ii | Mar. 26 | mar. 27 | mar. 28 | mar. 29 | mar. 30 | mar. 31 | apr. 1 |
| iii | Apr. 16 | apr. 17 | apr. 18 | apr. 19 | apr. 20 | apr. 14 | apr. 15 |
| iiii | Apr. 9 | apr. 3 | apr. 4 | apr. 5 | apr. 6 | apr. 7 | apr. 8 |
| v | Mar. 26 | mar. 27 | mar. 28 | mar. 29 | mar. 23 | mar. 24 | mar. 25 |
| vi | Apr. 16 | apr. 17 | apr. 11 | apr. 12 | apr. 13 | apr. 14 | apr. 15 |
| vii | Apr. 2 | apr. 3 | apr. 4 | apr. 5 | apr. 6 | mar. 31 | apr. 1 |
| viii | Apr. 23 | apr. 24 | apr. 25 | apr. 19 | apr. 20 | apr. 21 | apr. 22 |
| ix | Apr. 9 | apr. 10 | apr. 11 | apr. 12 | apr. 13 | apr. 14 | apr. 8 |
| x | Apr. 2 | apr. 3 | mar. 28 | mar. 29 | mar. 30 | mar. 31 | apr. 1 |
| xi | Apr. 16 | apr. 17 | apr. 18 | apr. 19 | apr. 20 | apr. 21 | apr. 22 |
| xii | Apr. 9 | apr. 10 | apr. 11 | apr. 5 | apr. 6 | apr. 7 | apr. 8 |
| xiii | Mar. 26 | mar. 27 | mar. 28 | mar. 29 | mar. 30 | mar. 31 | mar. 25 |
| xiiii | Apr. 16 | apr. 17 | apr. 18 | apr. 19 | apr. 13 | apr. 14 | apr. 15 |
| xv | Apr. 2 | apr. 3 | apr. 4 | apr. 5 | apr. 6 | apr. 7 | apr. 8 |
| xvi | Mar. 26 | mar. 27 | mar. 28 | mar. 22 | mar. 23 | mar. 24 | mar. 25 |
| xvii | Apr. 16 | apr. 10 | apr. 11 | apr. 12 | apr. 14 | apr. 14 | apr. 15 |
| xviii | Apr. 2 | apr. 3 | apr. 4 | apr. 5 | apr. 6 | apr. 7 | apr. 8 |
| xix | Apr. 23 | apr. 24 | apr. 18 | apr. 19 | apr. 20 | apr. 21 | apr. 22 |

And take this for a generall rule ;

The same day 7 weeks { before } Shrove Sunday.
 { after } Easter, is { Whit Sunday.
 A fortnight before { Shrove Sunday } is { Septuagesima.
 { Whit Sunday } is { Rogation Sunday.
 And the Sunday after { Shrove Sunday } is { Quinquagesima.
 { Whit Sunday } is { Trinitie Sunday.

Also, whensoever the Golden Number is 1, 6, 9, 12, 15,
or 18, then the Epact is the same. But

The Gol. Num. 1 | 2 | 4 | 5 | 7 | 8 | 10 | 11 | 13 | 14 | 16 | 17 | 19
 The Epact is 11 | 12 | 14 | 15 | 17 | 18 | 20 | 21 | 23 | 24 | 26 | 7 | 29

A

A note concerning the falling of *Easter*.

Note that when the *Golden number* is either 5, 13, or 19, and the *Dominicall letter* G, that then *Easter day* falleth on the 25 of *March*, or our *Lady day*.

Note likewise that when the *Golden number* is 8, or 19, and the *Dominicall letter* C, that then *Easter day* falleth on the 25 of *April*, or *Saint Marks day*.

Note likewise that *Easter* falleth between the 21 of *March*, and the 26 of *April*: but these two dayes are to be excluded; it never falleth on them, but between them.

The nature of the twelve Signes, and seven Planets.

Aries, *Leo* and *Sagittarius* are hot and dry signs.

Taurus, *Virgo*, and *Capricorn*, are cold & dry.

Cancer, *Scorpio*, and *Pisces*, are wet and cold.

Gemini, *Libra*, and *Aquarius*, are windy signs.

Northern signes are,

Aries, *Taurus*, *Gemini*, *Cancer*, *Leo*, *Virgo*.

Southern signes are these,

Libra, *Scorpio*, *Sagittarius*, *Capricorn*,

Aquarius, *Pisces*.

Saturn is cold and dry intemperate.

Jupiter is hot and moist temperate.

Mars is hot and drie intemperate.

Swallow 1659.

The *Sun* is hot and drie temperate.

Venus is cold and moist, temperate.

Mercury is variable, according to the nature of that planet with which he is joyned or aspected

Luna the Moon is cold and moist, intemperate.

How the Sun cometh to be eclipsed.

AN eclipse of the Sun is nothing else, but the interposition of the body of the Moon between the Sun and the Earth, or between the Sun and our sight.

How the Moon cometh to be eclipsed.

THE Sun never goeth from under the ecliptick line, but the Moon hath five degrees of latitude on either side of the ecliptick: at such full Moons then as the Moon shall be little or nothing in latitude, and under the ecliptick line, opposite to the Sun diametrally, then shall she be eclipsed, because then there will be an interposition of the Earths dark & grosse body between them, which will shadow the Suns light from the Moon, being of her self but of a dusky shining, without the Suns reflection on her.

The eclipses happening this yeare are set down in the fore-part of this Almanack.

Of

Of measures Geometricall.

THree barley corns in length make an inch, if they be taken out of the middle of the eare, and laid one at the end of another. But note, that this is not to be understood as if all barley corns of equall drinesse, and taken out of the middle of divers eares, were of equall length; for we see they both differ in regard of the soil, some bringing forth longer, some shorter corn. The meaning therefore is, that at the first institution of our measure, it was taken from a barley corn, but now it is rather to be taken from that Standerd which hath been continued, then to seek to make a new one.

In a foot of board or glasse is contained 144 square inches.

In a foot of timber be a great many more: for a foot of timber be 1728 cubicall square inches: But of square quarters of inches 110592.

And note that the compasse of the earth is 2600 miles.

But the thicknesse of the earth is no more then 6873 miles.

And as for the true measuring of board or glasse, see the following table. It is plain and usefull, and good husbandry to regard and use

Breadth of
the board,
or glasse

How much
in length for
a foot.

Swallow 1659.

The use of this Table.

| Inches. | Inches | parts. |
|------------|--------|--------|
| 1 | 144 | 0 |
| 2 | 72 | 0 |
| 3 | 48 | 0 |
| 4 | 36 | 0 |
| 4 & half. | 32 | 0 |
| 5 | 28 | 9 |
| 5 & half. | 26 | 2 |
| 6 | 24 | 0 |
| 6 & half. | 22 | 2 |
| 7 | 20 | 7 |
| 7 & half. | 19 | 2 |
| 8 | 18 | 0 |
| 8 & half. | 17 | 0 |
| 9 | 16 | 0 |
| 9 & half. | 15 | 2 |
| 10 | 14 | 5 |
| 10 & half. | 13 | 8 |
| 11 | 13 | 1 |
| 11 & half. | 12 | 6 |
| 12 | 12 | 0 |
| 12 & half. | 11 | 6 |
| 13 | 11 | 1 |
| 14 | 10 | 3 |
| 15 | 9 | 7 |
| 16 | 9 | 0 |
| 17 | 8 | 5 |
| 18 | 8 | 0 |
| 19 | 7 | 7 |
| 20 | 7 | 2 |
| 21 | 6 | 10 |
| 22 | 6 | 6 |
| 23 | 6 | 3 |
| 24 | 6 | 0 |

Find the breadth of the board or glasse on the side of the Table, under that title, and against the same you have the inches & parts of inches, that must be had in length for a foot.

Example.

Against 5 inches is 28 inches and 9 parts of an inch: and note, that 12 of them parts are an inch; that is, 28 inches and three quarters in length make a foot, when the breadth is five inches.

Also, when the breadth is 5 inches and an half, then 26 inches and two parts are a foot. If six and an half in breadth, then 22 inches and two parts in length make a foot. But if six, then 24. And so the like of the rest.

Of a Yeare.

IN all matters Legal, the year begins not with
 as untill the 25 day of *March*, so that the
 year which doth beginne on the first of *Janu-*
ary is the Julian year, instituted by *Julius*
Cesar. It hath in it 365 dayes and a quarter,
 8766 houres, 525960 minutes.

Of a Day.

A day, in all Legall or Law matters, is ac-
 counted but from Sun to Sun: so that one who
 hath a sum of money to pay on a set day by
 bond, need not tender his money before or af-
 ter Sun. This kind of day is that which we call
 an artificiall day; but a day naturall is to be ac-
 counted from midnight to midnight, and so
 do they reckon the day for indictments of mur-
 ther.

Of Matthias in the leap-year.

In every Leap-year, the 24 and 25 dayes of
February, in suits at Law, are to be accounted
 both as one. But for keeping of Fairs, those
 which use to be on the 24 must be kept on
 the 25, because *Matthias* is not untill the 25
 when it is Leap-year.

Swallow 1659.

Of the Prime.

The Moon is said to be primed when she is three dayes and eighteen hours old, being then in her half quarter and four parts of the compasse eastwards from the Sun.

*Of the four Cardinal winds, together
with their effects, in breeding or
bringing Sicknesse.*

THe East wind called *Subsolanus*, breedeth in cholerick bodies sharp feavers, raging madnesse, and perilous Apostumations: in winter it is ever cold, it bloweth seldome in the night, and this one thing is proper to it, if that it do chance to bring rain, it continueth a whole day together.

The South-wind called *Auster*, is of nature hot and moist: it breedeth corrupt humours, and in hot bodies cramps, giddinesse in the head, or the falling sicknesse, pestilence, and cruel Feavers.

The West-wind called *Favonius*, is of nature cold and moist; it breedeth phlegme in moist bodies, it procureth sleep, breedeth Apoplexies, and the like. In the spring it greatly refresheth all things, brings abroad the bloud, and the sound humours, which lay hid in winter, much refreshing the mind. Howbeit near
the

the end of Autumn, when winter beginneth to approach, it then grows churlish both on sea and land.

The North-wind called *Septentrio*, is of nature cold, and it is good against the Pestilence, and yet in cold bodies it breedeth plurifies, coughs, gouts, and in some squinances; yet of all winds it is held to be the wholesomest, although it be the sharpest in our winter moneths.

Note that what is spoken thus of their effects, is meant of their long standing in the said quarters.

Know also that a continual still Summer, is a signe of Plague or Earth-quake.

*Of Bloud-letting, and some other
Physicall Observations.*

IN youth, let bloud from the change to the first quarter.

In middle age, from the first quart. to the full

In elder years, from the full to the last quarter

And in old age, from the last quarter to the change.

But know that under the age of 14, and above 56, it is not good to bleed at all.

Again in the *Canicular*, or *Dog-dais*, it is very hurtfull to take any physick, unlesse there be

be great need: and indeed necessity hath no law; wherefore in such a case, the disease being desperate, the cure must be adventured.

Take a purgation when the moon is in *Trine* or *Sextile* aspect with *Venus*, decreasing in any of these three signes, *Cancer*, *Scorpio*, or *Pisces*, and it will be sure to work the better, because when a moist planet in a moist signe hath such an aspect, the humours in the body are then stirred up and down, and so the better purged out. Wherefore in this case it cannot be amisse to prepare humours by something or other which is laxative: and let this be while the moon is either in *Gemini*, *Libra*, or *Aquarius*.

Take a vomit that it may work thoroughly, when the moon is in *Aries*, *Taurus*, or *Capricorn*. And know that the aspects of the moon in *Saturn*, or *Mars*, or the moon in *Leo*, ought to be eschewed, in the taking of medicines. Finally, if necessity urge no halt, these observations are expedient: for it is a plain truth, that the change of weather upon differing aspects, doth greatly change and alter our bodies.

Things good for the eyes.

All green colours, cold water, fennel, the water of white roses distilled, celendine, eye-bright, vervine, agrimony, cloves; and for hot eyes the juice of Hous-leek, softly boiled in the shell of a new-laid egg, till it be clean scummed, is very good.

Things

Things ill for the eyes.

TO look much at red colours, or at fire, to read soon after supper, to eat garlick, onions, radish-roots, salt-meats, coleworts, and pulse, as also to drink wine that is both thick and sweet; smoke likewise and dust be very bad, and to anoint the eyes with Bats-bloud will clean put them out: according to the old proverb, *The bloud of a Bat will make a man see as well by night, as by day:* which may well be in him that cannot see at all.

Things good for the Brain.

TO smell to camomil, musk, or red-roses, to wash the temples often with rose-water, to eat sage measurably, to drink wine not overmuch, to keep the body-warm, to wash the hands often, to walk and sleep measurably, to eat mustard and pepper, and not to be troubled with too much noise.

Things ill for the Brain.

LAte suppers, much sleep after meat, anger, to smell to a white rose, garlick, onions, much milk and cheese, to stand long against your use bare-headed, to eat hastily and overmuch, to eat too liberally on any kind of brains, much sweat in labour or travell, and a besotted practise, or daily course of drinking.

Other

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Other notes fit to be known.

NOte that sixty minutes make an hour. Forty five minutes make three quarters of an hour. Thirty minutes make half an hour. Fifteen minutes make a quarter of an hour. Twelve inches make a foot. Three feet, or 36 inches make a yard. Three feet 9 inches, or 45 inches make an ell. Sixteen feet six inches make one pole or rod to measure land withall. Forty poles make one Furlong. Eight Furlongs make one mile. Five foot make a pace : 1000 such paces make an *Italian* mile, which is shorter by 280 foot, then the *English* mile.

*Observations for Husband-men,
and others.*

IN *January* take away superfluous branches from fruit-trees, and prepare your ground for gardens, uncover tree-roots, cut your vines in some of the twelve dayes.

Set quick-sets, roses, and sallets, in the moneth of *February*. And now cover up the roots of your trees with good earth, which you opened in the beginning of *January*.

In *March* you may graft; but in planting and grafting chuse a warm time; wherefore let not the wind be in the *East* or *North*, because such winds are commonly nipping, especially being helped by any aspect of the moon, with *Saturn*
or

at *Venus*, in cold signes; as *Virgo*, *Capricorn*,
Taurus, *Scorpio*, *Pisces*, or *Cancer*.

In the end of *April*, or beginning of *May*,
set and sow tender herbs and seeds in your gar-
dens, in a good temperature of aire.

If you mean to preserve flowers or seeds, ga-
ther them in a full Moon; let the sun shine first
upon them, and they will keep the better. But
let them not be dried in the sun, lest the sun
draw away part of their virtue.

Remove young trees either in the end of
October, *November*, or *February*, the moon in-
creasing: and be sure to set that side south which
was south before; because it cannot endure the
cold north.

Shear sheep the moon increasing, and their
fleeces will grow the better again. The like ob-
serve for cutting of hair, the moon in *Taurus*,
Scorpio, or *Libra*.

Geld cattel the moon in *Aries*, *Sagittarius*,
Capricorn, being in her last quarter.

Gather all fruits that you mean to keep, in a
dry time when the moon is at the full.

Sow all such seeds as have round roots (as
onions, leeks, turneps, &c.) either three or four
dayes before the full, or three or four dayes af-
ter the full.

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Of many and sundry Fairs in *England*, as they have heretofore been set forth by others, and are now continued for the common good.

January.

THe 5 day at Hicketford in Lancashire: the 6 day at Salisbury: the thursday after at Banbury: the 25 at Gravesend, Bristol, Churchingford, Northallerton in Yorksh. every wednesday from Christmas untill June.

February.

The first day at Bromly in Lancashire: the 2 day at Reading in Barksh. Maidstone, Bicklesworth, Becklesfeld, Bath, Lin. Bugworth: the 3 day at Borgrove: on Valentines day at Owndle in Northamptonshire, Faversham: the 24 day at Henly upon Thames, Baldock: on Ashwednesday at Royston, Dunstable, Eaton, Tamworth, Tunbridge, Lichfield, Excester, Ciceter: the first thursday in Lent at Banbury.

March.

The 3 day at Bremwel-braks in Norfolk: the 4 at Bedford: the 12 at Allsome in Norfolk, Sudbury, Woburn: the 13 at Wye, Bodwin in Cornwall: the 20 at Durham: the Munday before our Lady day at Kendal, Wisbich: the 25 day at Huntington, Northampton, Malden, Ashwel in Hartfordshire, Newcastle: Midlent at Saffron-walden in Essex: Goodfriday at Norwich: Palm: Sunday-eve at Wisbich, Worcester, Pomfret.

April.

Easter munday at Oney in Bedfordsh. Gainsborough
Easter tuesday at Daintry in Northamptonsh. Godmon
chester

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the 1st at Schole in Norfolk, S. Edmonds-bury: on Wednesday at Wellingborough in Northamptonsh. on Friday in the same week at Darby: on Saturday at Bickleworth: the 2^d at Hitchen; Rochford, Northfleet: the 7th at Darby: the 9th at Billington, Bickleworth: the 22^d at Stabford: the 23^d at Ipswich, Harbin in Norfolk, Northampton, Sapfar in Hartfordsh. Charing, Hunningham Tamworth, Bury in Lancashire, S. Pombs in Cornwall: the 27th at Dunmow in Essex, Oakham in Rutlandshire, Buckingham, Darby: the 29th at Tenderden in Kent, Cleer: the 30th at Beverly a week together.

May.

The first day at Haveril in Essex, Layton-buzzard in Huntingdonsh. Rippon in Yorksh. Reading, Maidstone, Tuxford in the clay: the 3^d at Elstow in Bedfordsh. Norton in Warwicksh. Thedford in Norfolk, Chelmsford in Essex, Waltham Abby, Hunningham, Rochdale, Bramyard: the 7th at Newton in Lancashire, Beverly, Oxford: the 10th at Rochester, Dunstable, Magfield in Suffolk: on Rogation munday at Reach: on Ascension day at Thaxted, Beverly, Rippon, Sudminster, Lishopstratford, S. Eedes, Wickham in Lancashire, Middlewich in Chesh, Chappel-frith in Darbyshire, on Whitsun-even at Skipton in Craven: on Whitsunmunday at S. Ives, Rygate in Surrey, Bickleworth, Bradford, Agmunsham in Buckinghamsh. on Whitsun-tuesday at Newmarket: on Wednesday at Royston: on Thursday at Odehil in Northamptonshire: the 16th day at Lenham: the 29th at Crambrook.

June.

On Trinity-eve at Rowel, Kendal: on Corpus Christi at Banbury, Bishopstratford, S. Eedes, Coventry, Newbury: the 9th at Maidstone: the 11th at Breme in Norfolk, Bardfield in Essex: the 17th at Hadstock: the 23rd at S. Albans

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bans, Deerham in Norfolk, Shrewsbury: the 24 at Hals-
on in Suffolk, Barnwel beside Cambridge, Bedford,
Colchester, Rumford, Reading, Windsor, Halifax, Hart-
ford, Beverly, Haselinden: the 26 at Bristol, Darby: the
27 at Burton on Trent, Folstone: the 28 at S. Pombs in
Cornwal: the 29 at Peterborough, Ashwell, Sudbury,
Stebbing in Essex.

July.

The 1, 2, and 3 dayes at Congleston in Chesh. the 7
at Royton, Burntwood: the Munday after at Fodring-
ham: the 11 at Partney for horses: the 20 at Uxbridge,
Coolidge, Woodstock, Barkway: the 22 at Ickleton,
Bicklesworth, Norwich, Colchester: the 25 at Audley-
end beside Walden, Reading.

August:

The first day at Bedford, S. Eedes, Dunstable, Fever-
sham, Wisbich, Bicklesworth, Stonistratford: the 10 at
Blackamore, Harply in Norfolk, Thaxted in Essex, S.
Ives, Bedford, Banbury, Farnham, Brainford: the 15 at
Cambridge, Huntington, Dunmow, Luton, Northam-
pton: the 24 at London, Sudbury, Norwich, Oxford,
Northallerton, Dover, Beggars bush, Burton: the 29 at
Walson in Suffolk, Harlow bush in Essex, Watford.

September.

The first day at S. Giles in the bush. on Thursday &
Friday next before the 8 day, at Sandbach in Chesh. the
7, 8, 9. and 10 dayes at Woodbury-hill in Dorsetsh. the 7
at Ware: the 8 at Huntington, Bury in Lancash. Par-
ney, Wakefield, Northampton, and Sturbridge fair be-
longing to Cambridge begins: the 14 at Rippon for hor-
ses, Waltham-Abbey, Chesterfield in Darbshire, Rich-
mond: the 21 day at Marlborough, Bedford, Baldoc,
S. Edmondsbury, Holden in Holdernes, Braintry, Brack-
lymaiden,

Swallow 1659.

Maiden, Malden: the 29 at S. Ives, Basingstoke, Mar-
deeping, Shelford in Bedfordshire, Bishopstortford,
Malden for horses, Stow in Lincolnshire, Thursday after
Banbury.

October.

The second at Salisbury: the 6 at Havent in Hampshire
Midston, Coolidge, Gayworth by Lin, S. Faiths: the
at Bishopstortford, Harborough: the 9 at Gainsborough
Lincolnshire: the 13 at Windsor, Colchester, Graves-
end: the 18 day at Ely, Bishopshatfield, Barnet, Banbury,
Thirff, Burton on Trent: the 21 day at Saffron-Walden:
the 23 at Bicklesworth: the 28 at Newmarket, Dis in
Norfolk, Wakefield, Richdale in Lancashire.

November.

The first day at Chelmsford: the 2 at Epping, King
stone on Thames, Padamliaffon in Suffolk: the 6 day at
Newport-pond, Bedford, Hartford: the 11 at Ludden in
Norfolk, Lencon in Nottinghamshire, Hempton in Nor-
folk, Fockingham in Lincolnshire, Bridgstock in North-
amptonsh. Marleborough: the 17 at Spalding in Lin-
colnshire, Harlow, Lincoln, Hide, Northampton: the 19
at Horsham in Kent: the 20 at S. Edmondsbury, Inger-
stone in Essex, Heath: the 23 at Sandwich: the 30 at Bal-
be, Bareford, Kollingborough, Maidenhead, Warrington,
Rockester.

December.

The 5 at Pluckly: the 6 at S. Eedes, Woodstock,
Spalding, Norwich in Cheshire, at Exeter, Senock in
Kent, Arundell, Grantham: the 7 at Sandhurst: the 8 at
Northampton, Clitheral in Lancashire, Huntington,
Malpas in Cheshire: the 19 at Canterbury, Salisbury.

Swallow 1659.

A Table of the Longitude and Latitude of
some notable Cities and Towns in
England, Scotland, and Wales.

| | Longitude. | | Latitude. | |
|------------------|------------|------|-----------|------|
| | Degr. | min. | Degr. | min. |
| Barnwick | 22 | 37 | 53 | 52 |
| Bristol | 21 | 43 | 52 | 41 |
| Caermarthen | 20 | 8 | 52 | 15 |
| Carnarvan | 20 | 8 | 52 | 33 |
| Chester | 21 | 40 | 53 | 32 |
| Chichester | 23 | 37 | 50 | 51 |
| Colchester | 25 | 25 | 52 | 0 |
| Coventry | 22 | 45 | 52 | 42 |
| Cockermouth | 21 | 26 | 55 | 7 |
| Cambridge | 24 | 25 | 52 | 15 |
| St. Davids | 19 | 13 | 52 | 17 |
| Dover | 25 | 44 | 51 | 10 |
| St. Edmonds-bury | 24 | 37 | 52 | 27 |
| Edenborough | 23 | 50 | 56 | 15 |
| Exeter | 21 | 42 | 50 | 50 |
| Flamborough | 26 | 10 | 54 | 10 |
| Gloucester | 22 | 11 | 52 | 10 |
| Hierford | 25 | 43 | 52 | 22 |
| Lancaster | 21 | 55 | 54 | 22 |
| LONDON | 24 | 20 | 51 | 32 |
| Ludlow | 21 | 46 | 52 | 43 |
| Lyxard point | 19 | 25 | 50 | 10 |
| Manchester | 22 | 0 | 53 | 43 |
| Norwich | 25 | 36 | 52 | 45 |
| Oxford | 23 | 26 | 51 | 38 |
| Peterborough | 24 | 0 | 52 | 40 |
| Quinborough | 25 | 10 | 51 | 32 |
| Rye | 25 | 10 | 51 | 0 |
| Shrewsbury | 21 | 47 | 53 | 0 |
| South-hampton | 22 | 58 | 50 | 10 |
| Tinmouth | 24 | 20 | 55 | 10 |
| Walsingham | 25 | 13 | 52 | 54 |
| Worcester | 23 | 12 | 52 | 30 |
| Yarmouth | 26 | 0 | 52 | 46 |
| York | 23 | 30 | 54 | 30 |

Swallow 1659.

Here followeth the time of Sun-setting, and length of the day, in our latitude of Cambridge:

January.

| Days | The sun setteth. | | Length of the day. |
|------|------------------|---|--------------------|
| 1 | 54 min. | 3 | 7 hou. and 48 min. |
| 3 | 57 min. | 3 | 7 hou. and 54 min. |
| 5 | 59 min. | 3 | 7 hou. and 49 min. |
| 7 | 1 min. | 4 | 8 hou. and 8 min. |
| 9 | 4 min. | 4 | 8 hou. and 8 min. |
| 11 | 6 min. | 4 | 8 hou. and 12 min. |
| 13 | 9 min. | 4 | 8 hou. and 18 min. |
| 15 | 13 min. | 4 | 8 hou. and 26 min. |
| 17 | 16 min. | 4 | 8 hou. and 32 min. |
| 19 | 20 min. | 4 | 8 hou. and 40 min. |
| 21 | 24 min. | 4 | 8 hou. and 48 min. |
| 23 | 27 min. | 4 | 8 hou. and 54 min. |
| 25 | 31 min. | 4 | 9 hou. and 2 min. |
| 27 | 39 min. | 4 | 9 hou. and 12 min. |
| 29 | 40 min. | 4 | 9 hou. and 20 min. |

February.

| Days | The sun setteth | | Length of the day. |
|------|-----------------|---|---------------------|
| 1 | 45 min. | 4 | 9 hou. and 30 min. |
| 3 | 49 min. | 4 | 9 hou. and 38 min. |
| 5 | 52 min. | 4 | 9 hou. and 44 min. |
| 7 | 56 min. | 4 | 9 hou. and 52 min. |
| 9 | just at 5. | | 10 hours long just. |
| 11 | 4 min. | 5 | 10 hou. and 8 min. |
| 13 | 8 min. | 5 | 10 hou. and 16 min. |
| 15 | 12 min. | 5 | 10 hou. and 24 min. |
| 17 | 16 min. | 5 | 10 hou. and 32 min. |
| 19 | 20 min. | 5 | 10 hou. and 40 min. |
| 21 | 24 min. | 5 | 10 hou. and 48 min. |
| 23 | 28 min. | 5 | 10 hou. and 56 min. |
| 25 | 32 min. | 5 | 11 hou. and 4 min. |
| 27 | 37 min. | 5 | 11 hou. and 14 min. |

Swallow 1659.

March.

| Dayes | The sun setteth. | | Length of the day. |
|-------|------------------|---|----------------------|
| 1 | 40 min. | 5 | 11 heures 20 minutes |
| 3 | 44 min. | 5 | 11 heures 28 minutes |
| 5 | 48 min. | 5 | 11 heures 36 minutes |
| 7 | 53 min. | 5 | 11 heures 46 minutes |
| 9 | 57 min. | 5 | 11 heures 54 minutes |
| 11 | 2 min. | 6 | 12 heures 4 minutes |
| 13 | 6 min. | 6 | 12 heures 12 minutes |
| 15 | 10 min. | 6 | 12 heures 20 minutes |
| 17 | 14 min. | 6 | 12 heures 28 minutes |
| 19 | 18 min. | 6 | 12 heures 36 minutes |
| 21 | 22 min. | 6 | 12 heures 44 minutes |
| 23 | 26 min. | 6 | 12 heures 52 minutes |
| 25 | 30 min. | 6 | 13 heures just. |
| 27 | 35 min. | 6 | 13 heures 10 minutes |
| 29 | 36 min. | 6 | 13 heures 18 minutes |

April.

| Dayes | The sun setteth. | | Length of the day. |
|-------|------------------|---|----------------------|
| 1 | 43 min. | 6 | 13 heures 26 minutes |
| 3 | 46 min. | 6 | 13 heures 32 minutes |
| 5 | 50 min. | 6 | 13 heures 40 minutes |
| 7 | 54 min. | 6 | 13 heures 48 minutes |
| 9 | 58 min. | 6 | 13 heures 56 minutes |
| 11 | 1 min. | 7 | 14 heures 2 minutes |
| 13 | 5 min. | 7 | 14 heures 10 minutes |
| 15 | 9 min. | 7 | 14 heures 18 minutes |
| 17 | 12 min. | 7 | 14 heures 24 minutes |
| 19 | 16 min. | 7 | 14 heures 32 minutes |
| 21 | 19 min. | 7 | 14 heures 38 minutes |
| 23 | 23 min. | 7 | 14 heures 46 minutes |
| 25 | 27 min. | 7 | 14 heures 54 minutes |
| 27 | 31 min. | 7 | 15 heures 2 minutes |
| 29 | 35 min. | 7 | 15 heures 10 minutes |

Swallow 1659.

May.

| Dayes | The sun setteth. | | Length of the days |
|-------|------------------|---|----------------------|
| 1 | 39 min. | 7 | 15 heures 18 minutes |
| 3 | 42 min. | 7 | 15 heures 24 minutes |
| 5 | 44 min. | 7 | 15 heures 28 minutes |
| 7 | 47 min. | 7 | 15 heures 34 minutes |
| 9 | 50 min. | 7 | 15 heures 40 minutes |
| 11 | 52 min. | 7 | 15 heures 44 minutes |
| 13 | 55 min. | 7 | 15 heures 50 minutes |
| 15 | 57 min. | 7 | 15 heures 54 minutes |
| 17 | just at 8 | 7 | just 16 heures long |
| 19 | 2 min. | 8 | 16 heures 4 minutes |
| 21 | 5 min. | 8 | 16 heures 10 minutes |
| 23 | 7 min. | 8 | 16 heures 14 minutes |
| 25 | 9 min. | 8 | 16 heures 18 minutes |
| 27 | 11 min. | 8 | 16 heures 24 minutes |
| 29 | 13 min. | 8 | 16 heures 26 minutes |

June.

| D. yes | The sun setteth. | | Length of the day. |
|--------|------------------|---|----------------------|
| 1 | 14 min. | 8 | 16 heures 28 minutes |
| 3 | 15 min. | 8 | 16 heures 30 minutes |
| 5 | 16 min. | 8 | 16 heures 31 minutes |
| 7 | 17 min. | 8 | 16 heures 33 minutes |
| 9 | 17 min. | 8 | 16 heures 34 minutes |
| 11 | 17 min. | 8 | The dayes at longest |
| 13 | 17 min. | 8 | 16 heures 34 minutes |
| 15 | 16 min. | 8 | 16 heures 32 minutes |
| 17 | 16 min. | 8 | 16 heures 31 minutes |
| 19 | 15 min. | 8 | 16 heures 30 minutes |
| 21 | 14 min. | 8 | 16 heures 28 minutes |
| 23 | 13 min. | 8 | 16 heures 26 minutes |
| 25 | 12 min. | 8 | 16 heures 24 minutes |
| 27 | 10 min. | 8 | 16 heures 20 minutes |
| 29 | 9 min. | 8 | 16 heures 18 minutes |

C 3

July;

Swallow 1659.

July.

| Dayes | The sun setteth. | | Length of the day | |
|-------|------------------|---|-------------------|---------|
| 1 | 8 | 8 | 16 hou. 16 | minutes |
| 3 | 6 | 8 | 16 hou. 12 | |
| 5 | 4 | 8 | 16 hou. 8 | |
| 7 | 1 | 8 | 16 hou. 2 | |
| 9 | 59 | 7 | 15 hou. 58 | |
| 11 | 56 | 7 | 15 hou. 52 | |
| 13 | 54 | 7 | 15 hou. 48 | |
| 15 | 52 | 7 | 15 hou. 44 | |
| 17 | 49 | 7 | 15 hou. 38 | |
| 19 | 46 | 7 | 15 hou. 32 | |
| 21 | 43 | 7 | 15 hou. 26 | minutes |
| 23 | 40 | 7 | 15 hou. 20 | |
| 25 | 36 | 7 | 15 hou. 12 | |
| 27 | 33 | 7 | 15 hou. 6 | |
| 29 | 30 | 7 | 15 ho. juft | |

August.

| Dayes | The sun setteth. | | Length of the day | |
|-------|------------------|---|-------------------|---------|
| 1 | 24 | 7 | 14 hou. 48 | minutes |
| 3 | 20 | 7 | 14 hou. 40 | |
| 5 | 16 | 7 | 14 hou. 32 | |
| 7 | 12 | 7 | 14 hou. 24 | |
| 9 | 9 | 7 | 14 hou. 18 | |
| 11 | 5 | 7 | 14 hou. 10 | |
| 13 | 1 | 7 | 14 hou. 2 | |
| 15 | 58 | 6 | 13 hou. 56 | |
| 17 | 54 | 6 | 13 hou. 48 | |
| 19 | 50 | 6 | 13 hou. 40 | minutes |
| 21 | 46 | 6 | 13 hou. 32 | |
| 23 | 42 | 6 | 13 hou. 24 | |
| 25 | 38 | 6 | 13 hou. 16 | |
| 27 | 34 | 6 | 13 hou. 8 | |
| 29 | 30 | 6 | 13 ho. juft | |

September.

Swallow 1659.

September.

| Days | The sun setteth. | | Length of the day | |
|------|------------------|----------------|-------------------|--------------|
| 1 | 24 | } min. past | 6 | 12 hou. 48 |
| 3 | 20 | | 6 | 12 hou. 40 |
| 5 | 16 | | 6 | 12 hou. 32 |
| 7 | 12 | | 6 | 12 hou. 24 |
| 9 | 8 | | 6 | 12 hou. 16 |
| 11 | 4 | | 6 | 12 hou. 8 |
| 13 | just at 6 | | 6 | 12 hou. just |
| 15 | 56 | | 5 | 11 hou. 52 |
| 17 | 52 | | 5 | 11 hou. 44 |
| 19 | 48 | | 5 | 11 hou. 36 |
| 21 | 44 | | 5 | 11 hou. 28 |
| 23 | 40 | | 5 | 11 hou. 20 |
| 25 | 36 | | 5 | 11 hou. 12 |
| 27 | 32 | | 5 | 11 hou. 4 |
| 29 | 28 | | 5 | 10 hou. 56 |

October.

| Days | The sun setteth. | | Length of the day. | |
|------|------------------|----------------|--------------------|--------------|
| 1 | 24 | } min. past | 5 | 10 hou. 48 |
| 3 | 20 | | 5 | 10 hou. 40 |
| 5 | 16 | | 5 | 10 hou. 32 |
| 7 | 12 | | 5 | 10 hou. 24 |
| 9 | 8 | | 5 | 10 hou. 16 |
| 11 | 4 | | 5 | 10 hou. 8 |
| 13 | just at 5. | | 5 | 10 hou. just |
| 15 | 56 | | 4 | 9 hou. 52 |
| 17 | 52 | | 4 | 9 hou. 44 |
| 19 | 49 | | 4 | 9 hou. 38 |
| 21 | 45 | | 4 | 9 hou. 30 |
| 23 | 41 | | 4 | 9 hou. 22 |
| 25 | 38 | | 4 | 9 hou. 16 |
| 27 | 34 | | 4 | 9 hou. 8 |
| 29 | 30 | | 4 | 9 hou. just |

November

Swallow 1659.

November.

| Dayes | The sun setteth. | | Length of the day. |
|-------|------------------|---|--------------------|
| 1 | 25 | 4 | 8 hou. 50 |
| 3 | 22 | 4 | 8 hou. 44 |
| 5 | 18 | 4 | 8 hou. 36 |
| 7 | 14 | 4 | 8 hou. 28 |
| 9 | 11 | 4 | 8 hou. 22 |
| 11 | 8 | 4 | 8 hou. 16 |
| 13 | 5 | 4 | 8 hou. 10 |
| 15 | 3 | 4 | 8 hou. 6 |
| 17 | 1 | 4 | 8 hou. 2 |
| 19 | 58 | 3 | 7 hou. 56 |
| 21 | 56 | 3 | 7 hou. 52 |
| 23 | 54 | 3 | 7 hou. 48 |
| 25 | 52 | 3 | 7 hou. 44 |
| 27 | 51 | 3 | 7 hou. 42 |
| 29 | 49 | 3 | 7 hou. 38 |

December.

| Dayes | The sun setteth. | | Length of the day. |
|-------|------------------|---|--------------------|
| 1 | 48 | 3 | 7 hou. 36 |
| 3 | 44 | 3 | 7 hou. 34 |
| 5 | 44 | 3 | 7 hou. 31 |
| 7 | 45 | 3 | 7 hou. 30 |
| 9 | 44 | 3 | 7 hou. 28 |
| 11 | 43 | 3 | 7 hou. 26 |
| 13 | 43 | 3 | 7 hou. 26 |
| 15 | 44 | 3 | 7 hou. 28 |
| 17 | 45 | 3 | 7 hou. 30 |
| 19 | 46 | 3 | 7 hou. 32 |
| 21 | 47 | 3 | 7 hou. 34 |
| 23 | 48 | 3 | 7 hou. 36 |
| 25 | 49 | 3 | 7 hou. 38 |
| 27 | 50 | 3 | 7 hou. 40 |

Note that as many min. as the sun sets after 3|4|5|6|7|8
 So many minutes it riseth before 12|8|7|6|5|4

FINIS,